United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
N	WAU000315	110223	=	R	3

Remarks: YB 3-1-2011

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
20				

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*	Entry Time/Date	Permit Effective Date
Vander Haak Dairy, LLC 690 Visser Road Lynden, WA 98264 (b) (6)	1:00 PM / 2/23/11	NA
	Exit Time/Date	**Permit Expiration Date**
	2:20 PM / 2/23/11	NA

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*
Steve Vander Haak, owner and operator (b) (6)	SIC 0241 NAICS 112120 Unpermitted

Name, Address of Responsible Official/Title/Phone and Fax Number	Contacted
Steve Vander Haak, owner and operator 690 Visser Road Lynden, WA 98264 (b) (6)	☑ Yes ☐ No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

☐ Permit	☐ Self-Monitoring Program	☐ Pretreatment	☐ MS4
✓ **Records/Reports**	☐ Compliance Schedules	☐ Pollution Prevention	
✓ Facility Site Review	☐ Laboratory	☐ Storm Water	
✓ Effluent/Receiving Waters	✓ Operations & Maintenance	☐ Combined Sewer Overflow	
☐ Flow Measurement	☐ Sludge Handling/Disposal	☐ Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes | SEV Description

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OFFICE OF COMPLIANCE AND ENFORCEMENT

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
Dustan Bott	EPA / OCE / (206)-553-5502	2/28/11
Steven Potokar	EPA / OCE / (206)-553-6354	
Signature of Management Q A Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
Sandra Brawner	EPA/OCE (206)553-5317	3/21/11

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

NPDES WAU000315

PCS
3-1-2011 YB

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit
B	Compliance Biomonitoring
C	Compliance Evaluation (non-sampling)
D	Diagnostic
F	Pretreatment (Follow-up)
G	Pretreatment (Audit)
I	Industrial User (IU) Inspection
J	Complaints
M	Multimedia
N	Spill
O	Compliance Evaluation (Oversight)
P	Pretreatment Compliance Inspection
R	Reconnaissance
S	Compliance Sampling
U	IU Inspection with Pretreatment Audit
X	Toxics Inspection
Z	Sludge - Biosolids
#	Combined Sewer Overflow-Sampling
$	Combined Sewer Overflow-Non-Sampling
+	Sanitary Sewer Overflow-Sampling
&	Sanitary Sewer Overflow-Non-Sampling
\	CAFO-Sampling
=	CAFO-Non-Sampling
2	IU Sampling Inspection
3	IU Non-Sampling Inspection
4	IU Toxics Inspection
5	IU Sampling Inspection with Pretreatment
6	IU Non-Sampling Inspection with Pretreatment
7	IU Toxics with Pretreatment
!	Pretreatment Compliance (Oversight)
@	Follow-up (enforcement)
{	Storm Water-Construction-Sampling
}	Storm Water-Construction-Non-Sampling
:	Storm Water-Non-Construction-Sampling
~	Storm Water-Non-Construction-Non-Sampling
<	Storm Water-MS4-Sampling
-	Storm Water-MS4-Non-Sampling
>	Storm Water-MS4-Audit

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A —	State (Contractor)
B ----	EPA (Contractor)
E —	Corps of Engineers
J —	Joint EPA/State Inspectors—EPA Lead
L ----	Local Health Department (State)
N —	NEIC Inspectors
O—	Other Inspectors, Federal/EPA (Specify in Remarks columns)
P—	Other Inspectors, State (Specify in Remarks columns)
R —	EPA Regional Inspector
S —	State Inspector
T —	Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

NPDES
Inspection Report

Vander Haak Dairy, LLC
Lynden, WA

Prepared by:

Dustan Bott
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit

Table of Contents

Unless otherwise noted, all details in this inspection report were obtained from conversations with Steve Vander Haak, or from observations made during the inspection.

I. Facility Information

Facility Name:	Vander Haak Dairy, LLC	
Facility Contact(s):	Steve Vander Haak, Owner and Operator 690 Visser Road Lynden, WA 98264 Phone: (b) (6)	
SIC Code Facility Type:	0241 Dairy Farms	
GPS Coordinates:	Vander Haak I: Dean's: Vander Haak II: Leender's: Casey's:	48.99743, - 122.45215 48.99868, - 122.46233 49.00036, - 122.48286 48.99894, - 122.43901 49.00162, - 122.43333
Primary Facility Location (Vander Haak I):	690 Visser Road Lynden, WA 98264	
Mailing Address:	690 Visser Road Lynden, WA 98264	

II. Inspection Information

Inspection Date:	February 23, 2011
Inspectors:	Dustan Bott, Inspector EPA Region 10, OCE / IEMU (206) 553-5502 Steven Potokar, Inspector EPA Region 10, OCE / NCU (206) 553-6354
Arrival Time: Departure Time:	1:00 PM 2:20 PM
Weather Condition:	Partly cloudy, cold and windy

Purpose: The inspection was conducted to document the facility's compliance with the Concentrated Animal Feeding Operation (CAFO) Regulations pursuant to the Clean Water Act (CWA).

III. Owner and Operator Information

Vander Haak Dairy, LLC (Vander Haak Dairy) is owned and operated by Darryl Vander Haak and (b) (6) Steve Vander Haak.

IV. Inspection Entry

This was an unannounced NPDES inspection. Steven Potokar, and I arrived at the Vander Haak Dairy at 1:00 PM on Wednesday, February 23, 2011 to conduct the inspection with Steve Vander Haak, one of the owners and operators of the facility.

Upon arrival at the facility, we were greeted by Steve Vander Haak. At this time, Steven Potokar and I identified ourselves as EPA inspectors, presented our credentials to Mr. Vander Haak and gave him a business card. I informed him that the purpose of this visit was to conduct a compliance inspection to determine compliance with the Clean Water Act. Mr. Vander Haak gave us verbal consent to proceed with the inspection.

V. Scope of Inspection

This inspection consisted of an opening conference to conduct initial introductions and to discuss the purpose and expectations of the inspection; a facility tour of all locations of the operation, and a closing conference to discuss any compliance related concerns.

VI. Facility Inspection

After introductions and presentation of our credentials, I explained the purpose of the visit to Mr. Vander Haak and then we began the inspection with a brief opening conference.

After the opening conference, we conducted a records review of their operation. We then proceeded to conduct a facility tour of the Dairy. The facility tour consisted of an inspection of each of the five locations that comprise the operation. Each location consisted of a lagoon and most had some cows in confinement. For overview photos of these locations, refer to Photos 1 – 4 in Attachment A. A brief description of each location is in the next section of this report.

Following the facility tour, we conducted a closing conference with Mr. Vander Haak. We thanked him for his time and discussed our inspection observations.

VII. Background and Facility Description

The Vander Haak Dairy is a medium sized CAFO dairy operation that has been operated by the Vander Haak family since about 1945. The Vander Haak Dairy has been based at the 690 Visser Road location since 1974. This facility does not have an NPDES permit. This operation consists of five separately located but interrelated facilities, all of which are included in the Dairy's Nutrient Management Plan (NMP). According to Mr. Vander Haak and the records in their NMP, these five locations are referred to "Vander Haak I" (which is the main facility at 690 Visser Road), "Dean's Place", "Vander Haak II", "Leender's" and "Casey's". There is a waste storage lagoon at each of these locations, and some cows are confined at each of these locations except Casey's. Mr. Vander Haak estimated that they had about 4 – 5 months of total waste storage capacity with the five lagoons. The volume of each of these lagoons, taken from their current NMP, is in the table below. Mr. Vander Haak indicated that there is a lagoon of a neighbor, Zylstra, which they have sometimes used for extra storage.

Location	Volume (in gallons)
Vander Haak I	3,146,000
Dean's	693,000
Vander Haak II	1,153,000
Leender's	1,849,000
Casey's	1,287,000
Total Volume	**8,128,000**

According to Mr. Vander Haak, they own a total of 160 acres, and lease 361 acres. In addition, they send manure to another 416 acres for land application. According to the current NMP, the current total acreage utilized for land application by this facility is 858 acres. This does not include 80 acres that they recently leased (the total leased in the current NMP is 281 acres). The NMP was last updated in November of 2008 by the Whatcom Conservation District. The Whatcom Conservation District is currently updating the NMP to reflect the Dairy's acreage added since the last update.

At the time of the inspection, Mr. Vander Haak indicated that the dairy operation consisted of a total of 430 milkers, 80 dry cows, and approximately 325 heifers (calves are included in the heifer count). Most of these animals are confined year round, but Mr. Vander Haak estimated that about 100 heifers are pastured in the drier months (typically May – October).

See photo 1 in Attachment A for an aerial view showing the locations of these five sites for the facility. Each location is discussed in more detail in this section.

A. Vander Haak I

This location is the main facility, located at 690 Visser Road. See photos 1 and 2 in Attachment A for an aerial overview illustrating the proximity of this location to the

others. This location is adjacent to an unnamed ditch that drains into Double Ditch and eventually into Fish Trap Creek. See photo 2 for the location of the unnamed ditch, and photos 5 and 6 for pictures of the feed storage area here and its proximity to the drainage ditch. All of the milkers (430) and 20 dry cows are confined at this location. The confinement areas are scraped into a 60,000 gallon pit 2-3 times daily. Manure from this pit is transported through an underground pipe to the digester at the Vander Haak II location (discussed more in Part C of this Section). The Vander Haak I lagoon is one of three that are used to store manure after it has been processed through the digester and solid separator at Vander Haak II, prior to land application.

B. Dean's

The Dean's site is located on the east side of Benson Road just south of Boundary Road (See photos 1 and 2 in Attachment A). Approximately 200 heifers are confined here, and the confinement areas are scraped once daily. The lagoon at this location is used for storing manure waste from the heifers at this location. Manure from this lagoon is transported via underground pipes to the digester at Vander Haak II. Mr. Vander Haak said that this lagoon can be used for manure storage post digester processing, but they generally do not use it for that.

C. Vander Haak II

The Vander Haak II site is located on the east side of Guide Meridian Road just south of the U.S. and Canada border crossing (See photos 1 and 3 in Attachment A). Approximately 60 dry cows are confined here, and the confinement areas are scraped once daily. The Dairy installed a digester at this location, and the majority of manure they generate is processed through this digester. The manure is processed through the digester in a 22 day cycle. This generates electricity that is sold to the power company and the Dairy then buys back the power they need. Once the manure is processed through the digester it goes to the solid separator at this location, and then stored in the lagoon here. The processed waste in the Vander Haak II lagoon is then transported via underground pipes to three of their lagoons- Casey's, Leender's, and Vander Haak I. It is then land applied from these locations.

D. Leender's

The Leender's site is located at 9876 Bender Road (See photos 1 and 4 in Attachment A). Approximately 125 heifers are confined here, and the confinement areas are scraped once daily. Manure at this location is stored in the lagoon here prior to land application. Processed manure from the Vander Haak II location is also stored at Leender's prior to land application.

E. Casey's

Casey's is located on Boundary road just east of the Leender's location on Bender Road (See photos 1 and 4 in Attachment A). There are no cows confined at Casey's, and the lagoon stores manure processed at Vander Haak II prior to land application.

VIII. Closing Conference

After the facility tour, we held a brief closing conference with Mr. Vander Haak at his office at Vander Haak I. We discussed our inspection observations, thanked him for his time, and then departed the facility.

IX. Areas of Concern

There were no areas of concern identified during our inspection.

Report Completion Date: 3/21/11

Lead Inspector Signature: Dustin Bott

ATTACHMENT A

Photograph Documentation

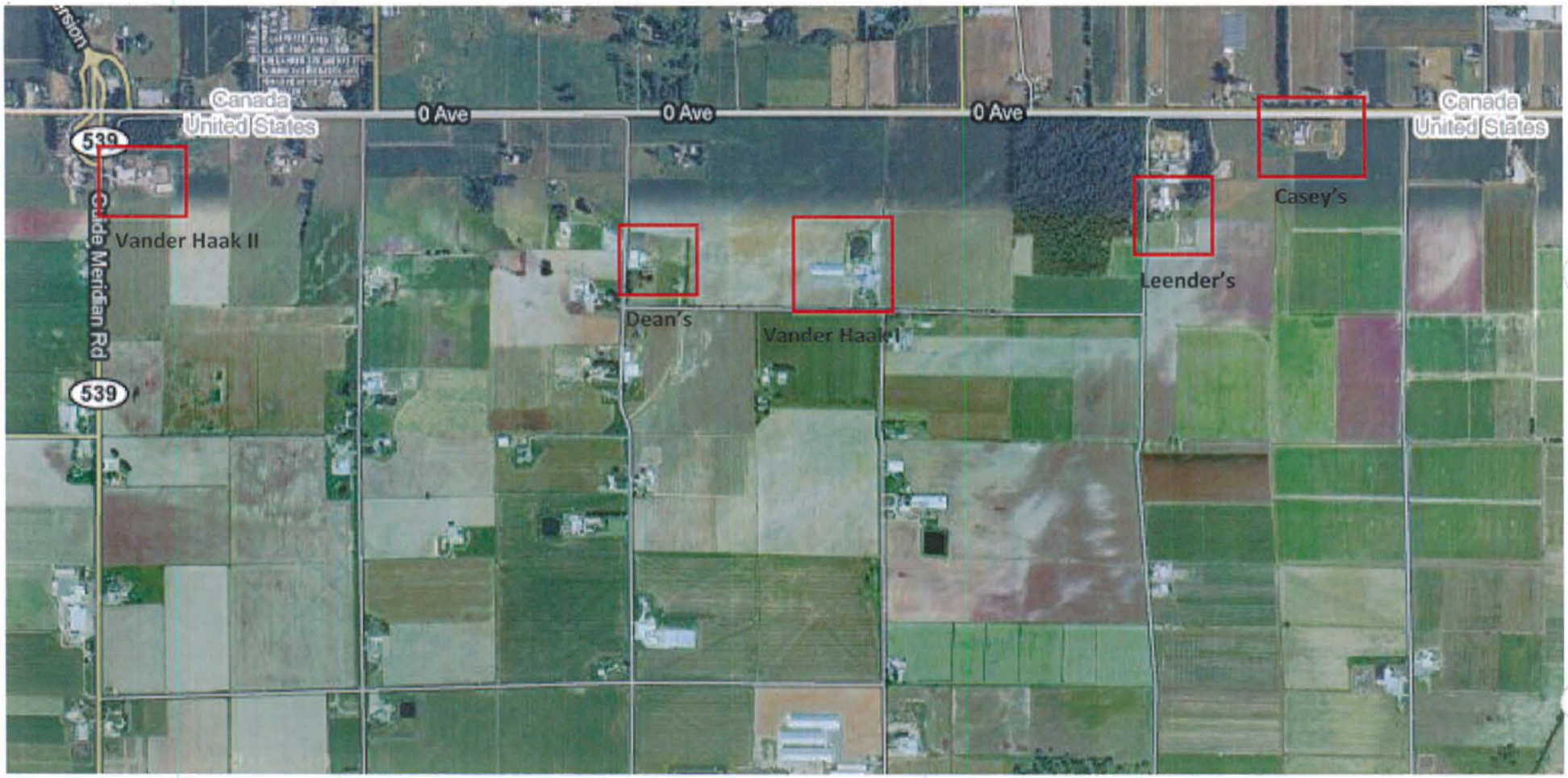

Photo 1. This is an aerial photo from Google showing the locations of each component of the Vander Haak Dairy facility, and their proximity to each other. All of these locations are interconnected with via underground pipes that can transport manure to and from the lagoons at each location.

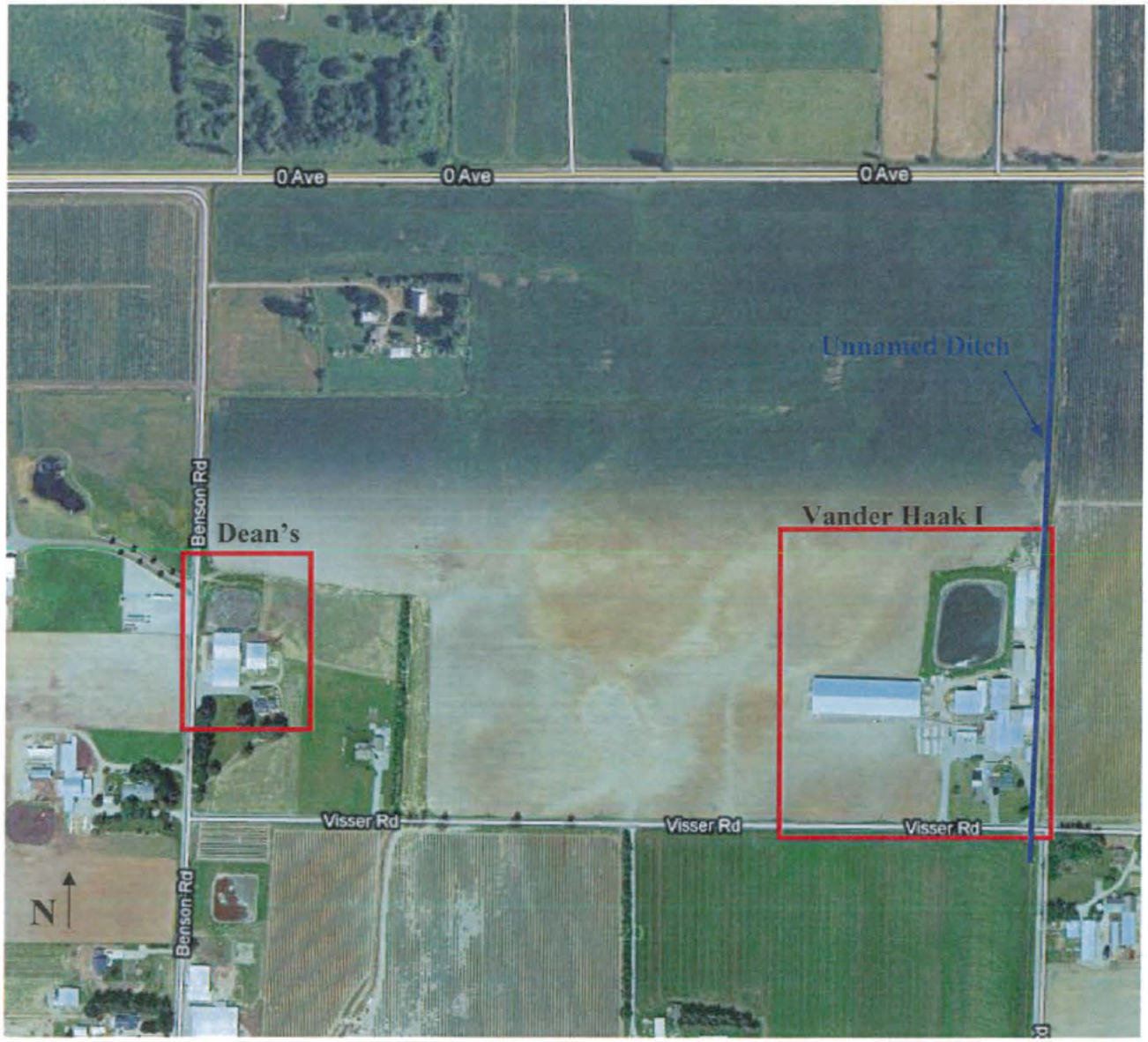

Photo 2. This is an aerial photo overview from Google of the Dean's lagoon and the Vander Haak 1 locations for the Vander Haak Dairy.

Photo 3. This is an aerial photo from Google of the Vander Haak II lagoon and digester location.

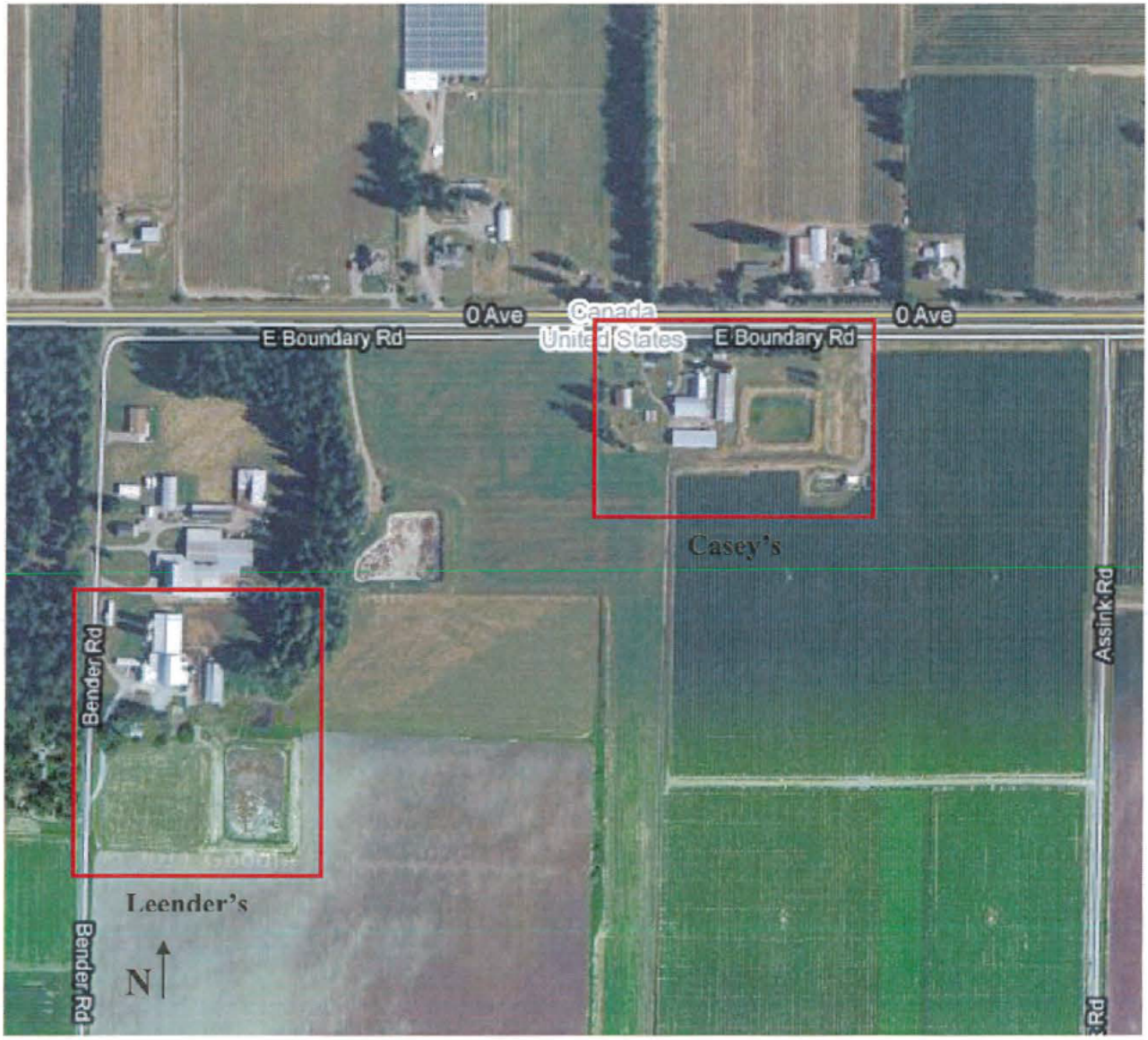

Photo 4. This is an aerial photo from Google of two locations of the Vander Haak Dairy, the Leender's at 9876 Bender Road and the Casey's, located just north and around the corner on Boundary Road.

Photo 5. This is a picture of the drainage ditch adjacent to the Vander Haak I location. The wall on the right is where the feed storage is located.

Photo 6. This picture illustrates the drainage system for the feed storage area at Vander Haak I. Any leachate drains into the low spot to the right of the feed (red arrow), where it is then pumped to the lagoon. The blue arrow indicates the location of the drainage ditch in Photo 5.